Electronic Version
Stylesheet Version v1.1.1

Claims

[c1] 1.A camera actuator, adapted for mounting on a pole and adapted to receive a camera, comprising:
a main body having a front and a rear, said rear of said main body adapted to rotatably mount to the pole;
at least one camera support extending from said front of said main body, said at least one camera support adapted to receive the camera such that the camera can rotate about said at least one camera support;
a camera link adapted to be connected to the camera wherein movement of said camera link moves the camera to rotate about said at least one camera support;
a push arm extending from said front of said main body connected to said camera link, said push arm mounted in said main body such that said push arm slides in and out of said front of said main body to rotate the camera, said push arm mounted in said main body such that rotation of said push arm rotates said main body;
an actuator cable extending into said rear of said main body from the pole, said actuator cable connected to said push arm such that pushing and pulling of said actuator cable pushes and pulls said push arm and rotation of said actuator cable rotates said push arm.

[c2] 2.The camera actuator of claim 1, wherein there are two camera supports extending from said front of said main body which are adapted so that the camera can be mounted to rotate between said two camera supports.

[c3] 3.The camera actuator of claim 1, wherein said actuator cable is a speedometer type cable.

[c4] 4.The camera actuator of claim 1, wherein said push arm includes at least one edge; wherein said front of said main body is solid with a push arm hole which allows passage of said push arm; and wherein said push arm hole includes at least one edge to interact with said at least one edge of said push arm to cause rotation of said main body due to rotation of said push arm.

[c5] 5.The camera actuator of claim 4, wherein said push arm hole is square

6.The camera actuator of claim 1, wherein said camera link is rotatably attached to the camera and rotatably attached to said push arm to effect rotation of the camera due to movement of said push arm in and out of said main body.

[c6] 7.The camera actuator of claim 1, further including a rear bearing mounted in said rear of said main body; and further including a rotation head, said rotational head

including a front section and a rear section, said rotational head including and an actuator cable hole to allow said actuator cable to freely pass through said rotational head, said front section connected to said rear bearing so that said rear bearing and said rotation head act as one together, said rear section adapted for connection to the pole such that rotation of said actuator cable rotates said push arm which rotates said main body, whereby said main body rotates about the pole due to said rear bearing and interconnection of said rotational head with said rear bearing and the pole.

[c7] 8.The camera actuator of claim 6, wherein said main body and said rotational include passages for a camera wire to run from the camera to the pole.

[c8] 9.The camera actuator of claim 1, wherein said push arm includes at least one edge; wherein said front of said main body is solid with a push arm hole which allows passage of said push arm; wherein said push arm hole includes at least one edge to interact with said at least one edge of said push arm to cause rotation of said main body due to rotation of said push arm; further including a rear bearing mounted in said rear of said main body; and further including a rotation head, said rotational head including a front section and a rear section, said rotational head including and an actuator cable hole to

allow said actuator cable to freely pass through said rotational head, said front section connected to said rear bearing so that said rear bearing and said rotation head act as one together, said rear section adapted for connection to the pole such that rotation of said actuator cable rotates said push arm which rotates said main body, whereby said main body rotates about the pole due to said rear bearing and interconnection of said rotational head with said rear bearing and the pole.

[c9] 10.The camera actuator of claim 9, wherein there are two camera supports extending from said front of said main body which are adapted so that the camera can be mounted to rotate between said two camera supports.

[c10] 11.The camera actuator of claim 9, wherein said actuator cable is a speedometer type cable.

[c11] 12.The camera actuator of claim 9, wherein said camera link is rotatably attached to the camera and rotatably attached to said push arm to effect rotation of the camera due to movement of said push arm in and out of said main body.

[c12] 13.The camera actuator of claim 7, wherein there are two camera supports extending from said front of said main body which are adapted so that the camera can be

mounted to rotate between said two camera supports.

[c13] 14.The camera actuator of claim 7, wherein said actuator cable is a speedometer type cable.

[c14] 15.The camera actuator of claim 7, wherein said camera link is rotatably attached to the camera and rotatably attached to said push arm to effect rotation of the camera due to movement of said push arm in and out of said main body.

[c15] 16.A camera actuator kit for addition to a pole, said camera actuator kit adapted for mounting on a pole and adapted to receive a camera, comprising:
a main body having a front and a rear, said rear of said main body adapted to rotatably mount to the pole;
at least one camera support extending from said front of said main body, said at least one camera support adapted to receive the camera such that the camera can rotate about said at least one camera support;
a camera link adapted to be connected to the camera wherein movement of said camera link moves the camera to rotate about said at least one camera support;
a push arm extending from said front of said main body connected to said camera link, said push arm mounted in said main body such that said push arm slides in and out of said front of said main body to rotate the camera,

said push arm mounted in said main body such that rotation of said push arm rotates said main body;
an actuator cable extending into said rear of said main body from the pole, said actuator cable connected to said push arm such that pushing and pulling of said actuator cable pushes and pulls said push arm and rotation of said actuator cable rotates said push arm.

[c16] 17.The camera actuator of claim 16, wherein there are two camera supports extending from said front of said main body which are adapted so that the camera can be mounted to rotate between said two camera supports.

[c17] 18.The camera actuator of claim 16, wherein said push arm includes at least one edge; wherein said front of said main body is solid with a push arm hole which allows passage of said push arm; and wherein said push arm hole includes at least one edge to interact with said at least one edge of said push arm to cause rotation of said main body due to rotation of said push arm.

[c18] 19.The camera actuator of claim 16, wherein said camera link is rotatably attached to the camera and rotatably attached to said push arm to effect rotation of the camera due to movement of said push arm in and out of said main body.

[c19] 20.The camera actuator of claim 16, further including a rear bearing mounted in said rear of said main body; and further including a rotation head, said rotational head including a front section and a rear section, said rotational head including and an actuator cable hole to allow said actuator cable to freely pass through said rotational head, said front section connected to said rear bearing so that said rear bearing and said rotation head act as one together, said rear section adapted for connection to the pole such that rotation of said actuator cable rotates said push arm which rotates said main body, whereby said main body rotates about the pole due to said rear bearing and interconnection of said rotational head with said rear bearing and the pole.